Automation for Industrial Systems

Wisconsin Indianhead Technical College
10-631-2 Associate Degree

2018

Program Review

ACADEMIC PROGRAM REVIEW PROFILE

Program Number & Name: Automation for Industrial Systems 10-631-2		
Program Academic or Assistant Dean	**Title and Location**	**Phone and e-mail**
Nancy Cerritos	Divisional Dean, Technology and industry	Nancy.cerritos@witc.edu 715-928-1135
Team Lead(s)	**Title and Location**	**Phone and e-mail**
Example: *Bill Smith*	*Welding Faculty Member* *New Richmond*	*Ext. 9999* *bill.smith@witc.edu*
Rose Cibulka	AIS Instructor, New Richmond	Ext.4273 rose.cibulka@witc.edu
Team Members	**Title and Location**	**Phone and e-mail**
Joe Krear	Packaging Instructor, New Richmond	joe.krear @witc.edu ext.4354
Lon Coffey	Advisory Committee Member	952-292-2777 lon.coffey@metc.state.mn.us
Brian Vrtis	Counselor, New Richmond	brian.vrtis@witc.edu ext. 4250
Damon Sharretts	ITNS Instructor, New Richmond	damon.sharretts@witc.edu ext.4274
Steve Dus	Dean of students, New Richmond	Steve.dus@witc.edu ext. 4301
Sarah Noreen	General Studies	sarah.Noreen@witc.edu

		ext. 4348

Self-Study Areas:

Required Elements: Analysis of trends from Program Effectiveness Data Profile, Analysis of results of previous program improvement plans, Progress/results of TSA (including program & employability essentials)	
Choose from a minimum of 2 of the following other areas to study	☐ Academic Advising ☐ Accreditation/National or State Standards, Regulations, Compliance ☐ Advisory Committees ☐ Assessment of Student Learning ☐ Budgeting Efficiencies/Costs per FTE ☐ Career Outlook/Future Occupational Trends ☐ Career Pathways ☐ Collaboration/Partnerships ☐ Curriculum Currency/modifications ☐ Delivery Methods/Distribution of Offerings/Scheduling ☐ Dual Enrollment ☐ Equipment ☐ Facilities ☐ Faculty Credentialing/Development Needs ☐ Online/Technology ☑ Recruitment ☑ Other Retention and completion_____

Program Information:

Capacity (new students admitted/year): 14		
Number of Faculty:	FT: ☑ 1	PT: ☑ 2
Statewide Curriculum:	Yes? ☐	No? ☑
Program Accredited by:	N/A	

Date of Last Accreditation	
Date of Next Accreditation	
Is a visit required? If so, when is the next visit?	
Program Licensed by:	N/A
Date of Last Licensing:	
Date of Next Licensing:	
Is a visit required? If so, when is the next visit?	
Please list other program and individual association and organizational memberships:	
ISA	International Society of automation

SELF-STUDY CATEGORY RESULTS

Program and Category	
Program: Automation for Industrial Systems	
Category: Analysis of Trends from Program Data Profile	
Resources Contact(s) for this Category:	

Strengths	Opportunities
Graduate satisfaction is good at 100 %	Enrollments are low
Retention fall to spring is good- 94-100%	Marketing to veterans
Employed related is good at100%	
Starting wages are good	
Technical course completion is strong at 93%	

**If you have more than 8 strengths and opportunities, right click the within the table above and choose insert row above or below.

What items in this category MUST be addressed on our improvement plan?	Enrollment
What items in this category MIGHT be addressed on the improvement plan?	Contacting area VA reps to collaborate on opportunities for veterans.

Team Rating

Please indicate by an (X) the team rating of your program on this category.			
All areas need improvement	*Some areas meet expectations, but most areas need improvement*	*All areas meet expectations —few areas need improvement*	*Exemplary—all areas exceed expectations—use as a model for other programs*
☐	☐	☑	☐

Additional Comments: (optional)
The biggest competitor is employment.(2.9% unemployment) Stigma of attending a 2 year institution vs a 4 year. Marketing to veterans would be beneficial.

SELF-STUDY CATEGORY RESULTS

Program and Category	
Program: Automation for Industrial Systems	
Category: Analysis of results of previous program improvement plans	
Resources Contact(s) for this Category:	
Strengths	**Opportunities**
We changed course sequence to give students more exposure to AIS earlier	With new Web site and name change, catalog and webpages may be out of date
We improved General Studies course completion by 10 %	Need to check on TSA status
Advisory committee is a good representation of industry	WIDS matrix needs to be updated

**If you have more than 8 strengths and opportunities, right click the within the table above and choose insert row above or below.	
What items in this category MUST be addressed on our improvement plan?	With new Web site and name change, catalog and webpages may be out of date. WIDS matrix needs to be updated.
What items in this category MIGHT be addressed on the improvement plan?	Cultivate/add new members for advisory meetings.

Team Rating
Please indicate by an (X) the team rating of your program on this category.

All areas need improvement	*Some areas meet expectations, but most areas need improvement*	*All areas meet expectations —few areas need improvement*	*Exemplary—all areas exceed expectations—use as a model for other programs*
☐	☐	☑	☐
Additional Comments: (optional)			

SELF-STUDY CATEGORY RESULTS

Program and Category
Program: Automation for Industrial Systems
Category: Progress/results of TSA (includes program outcomes and Employability Essentials)
Resources Contact(s) for this Category:

Strengths	Opportunities
Program outcomes are a good reflection of competencies needed in industry.	Employability Essentials- assessment not rolled out yet.
Because this is a unique program, Rose is able to change the competencies accordingly.	Implement fall of 2018 if Phase 2 is approved.

**If you have more than 8 strengths and opportunities, right click the within the table above and choose insert row above or below.

What items in this category MUST be addressed on our improvement plan?	Implement Phase 3 when approved
What items in this category MIGHT be addressed on the improvement plan?	

Team Rating

Please indicate by an (**X**) the team rating of your program on this category.

All areas need improvement	*Some areas meet expectations, but most areas need improvement*	*All areas meet expectations —few areas need improvement*	*Exemplary—all areas exceed expectations—use as a model for other programs*
☐	☐	☑	☐
Additional Comments: (optional)			
Reapprove Phase 2 if it has not been submitted to the state.			

SELF-STUDY CATEGORY RESULTS

Program and Category
Program: Automation for Industrial Systems
Category: Recruitment
Resources Contact(s) for this Category:

Strengths	Opportunities
Network specialist background prior to second year of program.	Limited exposure in first year to automation topics.
Students have already successfully completed two semesters before core automation courses.	Pursue more relationships with the K12 system and the VA.
Program has good reputation and word of mouth is the best recruitment tool, currently.	Pursue more relationships with HR departments that employ technicians.
Manageable class sizes; good student to teacher ratio.	Utilizing past graduates for recruiting and testimonials.
Unique in the state.	Review the website.
	Highlight return on investment.
	Investigate 3 and 4 year curriculum checklists.

**If you have more than 8 strengths and opportunities, right click the within the table above and choose insert row above or below.

What items in this category MUST be addressed on our improvement plan?	Review the website. Pursue more relationships with HR departments that employ technicians. Pursue more relationships with the K12 system and VA.
What items in this category MIGHT be addressed on the improvement plan?	Utilizing past graduates for recruiting and testimonials. Highlight return on investment. Limited exposure in first year to automation topics. Investigate 3 and 4 year curriculum checklists.

Team Rating

Please indicate by an (**X**) the team rating of your program on this category.

All areas need improvement	*Some areas meet expectations, but most areas need improvement*	*All areas meet expectations —few areas need improvement*	*Exemplary—all areas exceed expectations—use as a model for other programs*
☐	☐	☑	☐

Additional Comments: (optional)
Many strengths to capitalize on while recruiting.

Program and Category
Program: Automation for Industrial Systems
Category: Retention and Completion
Resources Contact(s) for this Category:

Strengths	Opportunities
Excellent numbers of retention and completion.	Create 3 and 4 year checklists for part-time students.
Providing students with options to complete 809 requirements.	Improve general studies retention.
	Investigate Math 1A challenges (85.71%)

**If you have more than 8 strengths and opportunities, right click the within the table above and choose insert row above or below.

What items in this category MUST be addressed on our improvement plan?	Create 3 and 4 year checklists for part-time students.
What items in this category MIGHT be addressed on the improvement plan?	

Team Rating
Please indicate by an (**X**) the team rating of your program on this category.

All areas need improvement	*Some areas meet expectations, but most areas need improvement*	*All areas meet expectations —few areas need improvement*	*Exemplary—all areas exceed expectations—use as a model for other programs*
☐	☐	☑	☐

Additional Comments: (optional)

ACADEMIC PROGRAM IMPROVEMENT PLAN

PROGRAM:	**Automation for Industrial Systems**	
Defined Outcome	Add two new members to Advisory Committee	
Metric (How will you measure whether or not the outcome has been attained successfully?)*Enter answer below		
Confirmed and present members at next advisory committee meeting		
Action Plan/Action Items & Person(s) Responsible: *Example: 1) Action Item #1 (Damian VonFrank, Ted May)*		**Timeline & Resources:** *Example: 1) Fall 2018 – Need IT time to implement*

Recruit one new member from an employee status at a related industry	Fall 2019
Recruit one new member from an employer, manager, supervisor or HR position in a related industry	Fall 2019

**If you have more than 8 action items, right click the within the table above and choose insert row above or below.

Note: (A mid-year and year-end update will be required each year during implementation.)
Implementation Update (June 30, 2019):
Instructions: Enter update text in box below, check a box below, and enter metric and results

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☑ **Not Met (include metric)**	This item is for this coming fall-

Divisional Dean Comments:

With a new instructor, we want to include Jon on the planning for the advisory committee membership

VP, Academic Affairs Comments:

Implementation Update (January 31, 2020):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☑ **Not Met (include metric)**	We were not successful in recruiting new members. We had low attendance at the advisory committee in the fall

Divisional Dean Comments:

We will try again next fall and brainstorm this spring semester on who to include as potential advisory committee members.

VP, Academic Affairs Comments:

Implementation Update (June 30, 2020):

☐ **Met (include metric result)**	

☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

"Effective March 25, 2020, Wisconsin Governor Evers directed a safer-at-home directive due to the Covid-19 pandemic. Under this order, all WITC Spring 2020 classes were delayed, cancelled or moved to an alternative delivery method. Due to the many required hours instructors and staff spent moving curriculum to alternate delivery modes, college leadership held requirement of the 6-month academic program review updates due June 1, 2020. Program review updates will next be required of this program in January 2021."

VP, Academic Affairs Comments:

Implementation Update (January 31, 2021):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (June 30, 2021):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (January 31, 2022):

☐ **Met (include metric result)**	

☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (June 30, 2022):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (January 31, 2023):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments:

ACADEMIC PROGRAM IMPROVEMENT PLAN

PROGRAM:	**Automation for Industrial Systems**

Defined Outcome	Improve retention from 40% (2015-2016) to 60% from first year to second year (QRP220)

Metric (How will you measure whether or not the outcome has been attained successfully?)*Enter answer below*

verify with program statistics and data

Action Plan/Action Items & Person(s) Responsible: *Example: 1) Action Item #1 (Damian VonFrank, Ted May)*	**Timeline & Resources:** *Example: 1) Fall 2018 – Need IT time to implement*
Create two and three year checklists for easier planning for part time students	Fall 2019
Collaborate with IT instructors to improve IT essentials course by adding more interactive activities	Spring 2020
Collaborate with Math instructor to create dual assignments	Spring 2020
Adjust Intro to Process Control for first year students	Fall 2019

**If you have more than 8 action items, right click the within the table above and choose insert row above or below.

Note: *(A mid-year and year-end update will be required each year during implementation.)*
Implementation Update (June 30, 2019):
Instructions: Enter update text in box below, check a box below, and enter metric and results

☑ **Met (include metric result)**	Increased retention to 64%
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

The IT essential courses is being improved by IT instructors. In addition, we will only teach this first semester course in person. Jon Haglin is updating the Intro to process control. we will continue to progress on the other action items. We will also work with the IT instructors to do block scheduling- this helps part time students and students from industry

VP, Academic Affairs Comments:

Implementation Update (January 31, 2020):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☑ **Not Met (include metric)**	Do not have mid year metrics

Divisional Dean Comments:

Unusually low first year enrollment this year. working to find ways to recruit new students Looking to modify the embedded Technical Diploma, Sytems Specialist to be financial aid eligible.

VP, Academic Affairs Comments:

Implementation Update (June 30, 2020):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

"Effective March 25, 2020, Wisconsin Governor Evers directed a safer-at-home directive due to the Covid-19 pandemic. Under this order, all WITC Spring 2020 classes were delayed, cancelled or moved to an alternative delivery method. Due to the many required hours instructors and staff spent moving curriculum to alternate delivery modes, college leadership held requirement of the 6-month academic program review updates due June 1, 2020. Program review updates will next be required of this program in January 2021."

VP, Academic Affairs Comments:

Implementation Update (January 31, 2021):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (June 30, 2021):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (January 31, 2022):

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☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (June 30, 2022):

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☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (January 31, 2023):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments:

ACADEMIC PROGRAM IMPROVEMENT PLAN

PROGRAM:	Automation for Industrial Systems
Defined Outcome	Increase number of first year students by 10%- from 12-13)

Metric (How will you measure whether or not the outcome has been attained successfully?)*Enter answer below*

Use program Data from IE

Action Plan/Action Items & Person(s) Responsible: *Example: 1) Action Item #1 (Damian VonFrank, Ted May)*	Timeline & Resources: *Example: 1) Fall 2018 – Need IT time to implement*
Update website and catalog page	Spring 2019
add testimonial video and quote from past graduate	Spring 2019
Meet with Stephanie Smith to explore ideas for reaching Veterans	Fall 2019
Visit two schools not visited before	Fall 2019
Attend STEM nights at Hudson and NR high schools	Spring 2019
Visit two HR departments of potential employers of graduates	Fall 2019

**If you have more than 8 action items, right click the within the table above and choose insert row above or below.

Note: *(A mid-year and year-end update will be required each year during implementation.)*
Implementation Update (June 30, 2019):
Instructions: Enter update text in box below, check a box below, and enter metric and results

☑ **Met (include metric result)**	we had 19 new students in the first year
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

We have updated the catalog and web page , but do not yet have a video or testimonial of a graduate Other action items begin this fall

VP, Academic Affairs Comments:

Implementation Update (January 31, 2020):

☐ **Met (include metric result)**	

☐ **Partially Met (include metric)**	
☑ **Not Met (include metric)**	We have only 2 new students in the first year

Divisional Dean Comments:

Working hard to convince ITNS and ITSAS students to take a third year and have two associate degrees- also to convince packaging students to take a third year to be extremely employable. Need to add Electricity 2 to the curriculum for the embedded technical diploma to make it financially aid eligibel. sking for an exception from the curriculum office.

VP, Academic Affairs Comments:

Implementation Update (June 30, 2020):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

"Effective March 25, 2020, Wisconsin Governor Evers directed a safer-at-home directive due to the Covid-19 pandemic. Under this order, all WITC Spring 2020 classes were delayed, cancelled or moved to an alternative delivery method. Due to the many required hours instructors and staff spent moving curriculum to alternate delivery modes, college leadership held requirement of the 6-month academic program review updates due June 1, 2020. Program review updates will next be required of this program in January 2021."

VP, Academic Affairs Comments:

Implementation Update (January 31, 2021):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (June 30, 2021):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (January 31, 2022):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (June 30, 2022):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (January 31, 2023):

☐ **Met (include metric result)**	

☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments:

ACADEMIC PROGRAM IMPROVEMENT PLAN

PROGRAM:	**Automation for Industrial Systems**
Defined Outcome	Use results of TSA, when completed, to make appropriate program changes

Metric (How will you measure whether or not the outcome has been attained successfully?)*Enter answer below*

Approved Phase 2 and implementation of phase 3 with results being used to make program changes

Action Plan/Action Items & Person(s) Responsible: *Example: 1) Action Item #1 (Damian VonFrank, Ted May)*	**Timeline & Resources:** *Example: 1) Fall 2018 – Need IT time to implement*
Obtain advisory committee approval of Phase 2	Fall 2019
Implement Phase 3	fall 2020
report results	Spring 2021
Obtain Phase 1 approval of embedded Technical diploma	fall 2019
Obtain Phase 2 approval for embedded technical diploma	fall 2019
Use data from TSA to make program changes	Fall 2021

**If you have more than 8 action items, right click the within the table above and choose insert row above or below.

Note: (A mid-year and year-end update will be required each year during implementation.)
Implementation Update (June 30, 2019):
Instructions: Enter update text in box below, check a box below, and enter metric and results

☐ **Met (include metric result)**	
☑ **Partially Met (include metric)**	we have approval of Phase one and two of the embedded
☐ **Not Met (include metric)**	

Divisional Dean Comments:

This is only partially completed as we do not as yet have results from a completed TSA

VP, Academic Affairs Comments:

Implementation Update (January 31, 2020):

☐ **Met (include metric result)**	
☑ **Partially Met (include metric)**	Still do no have results of a completed TSA from the embedded technical diploma
☐ **Not Met (include metric)**	

Divisional Dean Comments:

Looking to add Electricity 2 to the embedded technical diploma curriculum.

VP, Academic Affairs Comments:

Implementation Update (June 30, 2020):

☐ **Met (include metric result)**	
☐ **Partially Met (include metric)**	
☐ **Not Met (include metric)**	

Divisional Dean Comments:

"Effective March 25, 2020, Wisconsin Governor Evers directed a safer-at-home directive due to the Covid-19 pandemic. Under this order, all WITC Spring 2020 classes were delayed, cancelled or moved to an alternative delivery method. Due to the many required hours instructors and staff spent moving curriculum to alternate delivery modes, college leadership held requirement of the 6-month academic program review updates due June 1, 2020. Program review updates will next be required of this program in January 2021."

VP, Academic Affairs Comments:

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Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (June 30, 2021):

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Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (January 31, 2022):

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Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (June 30, 2022):

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Divisional Dean Comments:

VP, Academic Affairs Comments:

Implementation Update (January 31, 2023):

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☐ **Not Met (include metric)**	

Divisional Dean Comments:

VP, Academic Affairs Comments: